

Amendments to the Claims:

This Listing of Claims will replace all prior versions, and listings, of claims in the application.

Claims 1-24 (canceled).

25. A vaccine comprising a respiratory syncytial virus (RSV) the genome of which contains the reverse complement of an mRNA coding sequence operatively linked to a polymerase binding site of RSV, wherein the genome contains sequences heterologous to that of native RSV, such that the resulting virus has an attenuated phenotype; and a pharmaceutically acceptable carrier.

26. A vaccine comprising a respiratory syncytial virus (RSV) the genome of which contains the reverse complement of an mRNA coding sequence operatively linked to a polymerase binding site of RSV, wherein the genome contains native RSV genes or regulatory sequences having specific substitutions, deletions or additions in the nucleotide sequence; and a pharmaceutically acceptable carrier.

27. The vaccine of claim 25, wherein a sequence heterologous to that of native RSV comprises at least one genetic modification compared to the native RSV sequence.

28. The vaccine of claim 27, wherein the genetic modification is a translocation.

29. The vaccine of claim 27, wherein the genetic modification is a single nucleotide substitution.

30. The vaccine of claim 27, wherein the genetic modification is an addition.

31. The vaccine of claim 27, wherein the genetic modification is a deletion.

32. The vaccine of claim 27, wherein the M1 gene, the N gene, the F gene, the G gene, or the L gene of RSV is modified.

33. The vaccine of claim 27, wherein the F protein encoded by the RSV genome has a reduced number of lysine or arginine residues at its cleavage site.

34. The vaccine of claim 27, wherein the 3' or 5' regulatory region of the RSV genome comprises a site specific modification.

35. The vaccine of claim 27, wherein the N gene, the F gene or the G gene comprises a genetic modification.

36. The vaccine of claim 25, wherein the virus is capable to go through only one round of replication in the host.

37. The vaccine of claim 32, wherein the M1 gene, the N gene, the F gene, the G gene, or the L gene of RSV is translocated.

38. (new) The vaccine of claim 25, wherein the heterologous sequence is derived from a sequence that is not native to RSV.